

Fig. 1

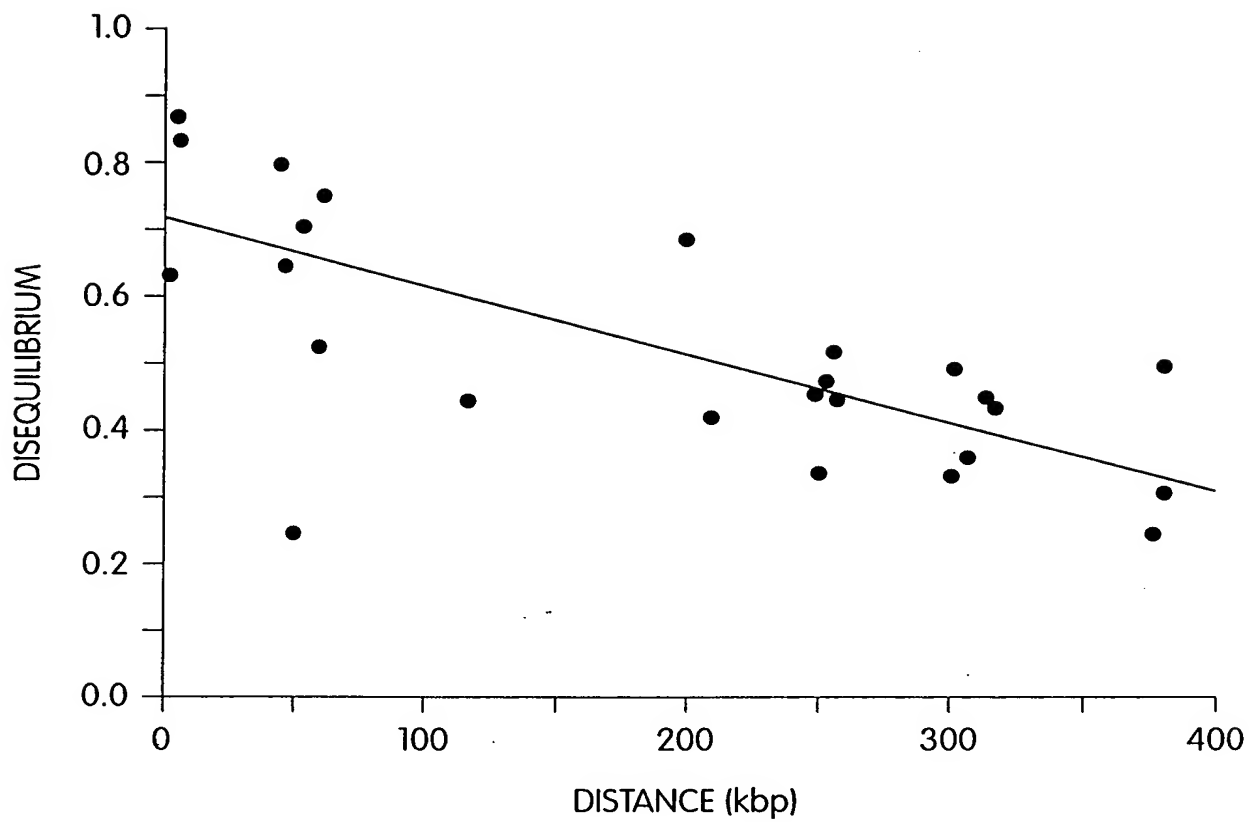


Fig. 2

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-1437 AAGCTTCTAC CCTAGTCTGG TGCTACACTT ACATTGCTTA CATCCAAGTG TGGTTATTTT
-1377 TGTGGCTCCT GTTATAACTA TTATAGCACC AGGTCTATGA CCAGGAGAAT TAGACTGGCA
-1317 TTAAATCAGA ATAAGAGATT TTGCACCTGC AATAGACCTT ATGACACCTA ACCAACCCCA
-1257 TTATTTACAA TTAAACAGGA ACAGAGGGAA TACTTTATCC AACTCACACA AGCTGTTTTT
-1197 CTCCCAGATC CATGCTTTTT TGCGTTTATT ATTTTTTAGA GATGGGGGCT TCACTATGTT
-1137 GCCCACACTG GACTAAAAC CTGGGCCTCA AGTGATTGTC CTGCCTCAGC CTCCTGAATA
-1077 GCTGGGACTA CAGGGGCATG CCATCACACC TAGTTCATTT CCTCTATTTA AAATATACAT
-1017 GGCTTAAACT CCAACTGGGA ACCCAAACA TTCATTTGCT AAGAGTCTGG TGTTCTACCA
-957 CCTGAAGTAG GCTGGCCACA GGAATTATAA AAGCTGAGAA ATTCTTTAAT AATAGTAACC
-897 AGGCAACATC ATTGAAGGCT CATATGTAAA AATCCATGCC TTCCTTTCTC CCAATCTCCA
-837 TTCCCAAAC TAGCCACTGG TTCTGGCTGA GGCCTTACGC ATACCTCCCG GGGCTTGCAC
-777 ACACCTTCTT CTACAGAAGA CACACCTTGG GCATATCCTA CAGAAGACCA GGCTTCTCTC
-717 TGGTCCTTGG TAGAGGGCTA CTTTACTGTA ACAGGGCCAG GGTGGAGAGT TCTCTCCTGA
-657 AGCTCCATCC CCTCTATAGG AAATGTGTTG ACAAATATTCA GAAGAGTAAG AGGATCAAGA
-597 CTTCTTTGTG CTCAAATACC ACTGTTCTCT TCTCTACCCT GCCCTAACCA GGAGCTTGTC
-537 ACCCCAAACT CTGAGGTGAT TTATGCCTTA ATCAAGCAA CTTCCCTCTT CAGAAAAGAT
-477 GGCTCATTTT CCCTCAAAAG TTGCCAGGAG CTGCCAAGTA TTCTGCCAAT TCACCCTGGA
-417 GCACAATCAA CAAATTCAGC CAGAACACAA CTACAGCTAC TATTAGAACT ATTATTATTA
-357 ATAAATTCCT CTCCAAATCT AGCCCCTTGA CTTCCGATTT CACGATTTCT CCCTTCCTCC
-297 TAGAACTTG ATAAGTTTCC CGCGCTTCCC TTTTCTAAG ACTACATGTT TGTCATCTTA
-237 TAAAGCAAAG GGGTGAATAA ATGAACCAA TCAATAACTT CTGGAATATC TGCAAACAAC
-177 AATAATATCA GCTATGCCAT CTTTCACTAT TTTAGCCAGT ATCGAGTTGA ATGAACATAG
-117 AAAAATACAA AACTGAATTC TTCCCTGTAA ATTCCCCGTT TTGACGACGC ACTGTAGCC
-57 ACGTAGCCAC GCCTACTTAA GACAATTACA AAAGGCCAAG AAGACTGACT CAGGCTTAAG
4 CTGCCAGCCA GAGAGGGAGT CATTTCATTG GCGTTTGAGT CAGCAAAGGT ATTGTCCTCA
64 CATCTCTGGC TATTAAAGTA TTTTCTGTTG TTGTTTTTCT CTTTGGCTGT TTTCTCTCAC
124 ATTGCCTTCT CTAAAGCTAC AGTCTCTCCT TTCTTTTCTT GTCCCTCCCT GGTGTTGGTAT
184 GTGACCTAGA ATTACAGTCA GATTTTCAGAA AATGATTCTC TCATTTTGCT GATAAGGACT
244 GATTCGTTTT ACTGAGGGAC GGCAGAACTA GTTTCCTATG AGGGCATGGG TGAATACAAC
304 TGAGGCTTCT CATGGGAGGG AATCTCTACT ATCCAAAATT ATTAGGAGAA AATTGAAAAT
364 TTCCAACCTC GTCTCTCTCT TACCTCTGTG TAAGGCCAAT ACCTTATTCT TGTGGTGTTT
424 TTGTAACCTC TTCAAACCTT CATTGATTGA ATGCCTGTTT TGGCAATACA TTAGGTTGGG
484 CACATAAGGA ATACCAACAT AAATAAAACA TTCTAAAAGA AGTTTACGAT CTAATAAAGG
544 AGACAGGTAC ATAGCAAAC AATTCAAAGG AGCTAGAAGA TGGAGAAAAT GCTGAATGTG
604 GACTAAGTCA TTCAACAAAG TTTTCAGGAA GCACAAAGAG GAGGGGCTCC CCTCACAGAT
664 ATCTGGATTA GAGGCTGGCT GAGCTGATGG TGGCTGGTGT TCTCTGTTGC AGAAGTCAAG
724 ATGGCCAAAG TTCCAGACAT GTTTGAAGAC CTGAAGAACT GTTACAGGTA AGGAATAAGA
784 TTTATCTCTT GTGATTTAAT GAGGGTTTCA AGGCTACCA GAATCCAGCT AGGCATAACA
844 GTGGCCAGCA TGGGGGCAGG CCGGCAGAGG TTGTAGAGAT GTGTACTAGT CCTGAAGTCA
904 GAGCAGGTTT AGAGAAGACC CAGAAAAACT AAGCATTGAG CATGTTAAAC TGAGATTACA
964 TTGGCAGGGA GACCGCCATT TTAGAAAAAT TATTTTGTAG GTCTGCTGAG CCTACATGA
1024 ATATCAGCAT CAACTTAGAC ACAGCCTCTG TTGAGATCAC ATGCCCTGAT ATAAGAATGG
1084 GTTTTACTGG TCCATTCTCA GGAAAACCTG ATCTCATTCA GGAACAGGAA ATGGCTCCAC
1144 AGCAAGCTGG GCATGTGAAC TCACATATGC AGGCAAATCT CACTCAGATG TAGAAGAAAG
1204 GTAAATGAAC ACAAAGATAA AATTACGGAA CATATTAAAC TAACATGATG TTTCCATTAT
1264 CTGTAGTAAA TACTAACACA AACTAGGCTG TCAAAATTTT GCCTGGATAT TTTACTAAGT
1324 ATAAATTATG AAATCTGTTT TAGTGAATAC ATGAAAGTAA TGTGTAACAT ATAATCTATT
1384 TGGTTAAAT AAAAAGGAAG TGCTTCAAAA CCTTTCTTTT CTCTAAAGGA GCTTAACATT
1444 CTTCCCTGAA CTTCAATTAA AGCTCTTCAA TTTGTTAGCC AAGTCCAATT TTTACAGATA
1504 AAGCACAGGT AAAGCTCAAA GCCTGTCTTG ATGACTACTA ATTCCAGATT AGTAAGATAT

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Fig. 3

1564	GAATTACTCT	ACCTATGTGT	ATGTGTAGAA	GTCCTTAAAT	TTCAAAGATG	ACAGTAATGG
1624	CCATGTGTAT	GTGTGTGACC	CACAACTATC	ATGGTCATTA	AAGTACATTG	GCCAGAGACC
1684	ACATGAAATA	ACAACAATTA	CATTCTCATC	ATCTTATTTT	GACAGTGAAA	ATGAAGAAGA
1744	CAGTTCCTCC	ATTGATCATC	TGTCTCTGAA	TCAGGTAAGC	AAATGACTGT	AATTCTCATG
1804	GGACTGCTAT	TCTTACACAG	TGGTTTCTTC	ATCCAAAGAG	AACAGCAATG	ACTTGAATCT
1864	TAAATACTTT	TGTTTTACCC	TCACTAGAGA	TCCAGAGACC	TGTCTTTTCAT	TATAAGTGAG
1924	ACCAGCTGCC	TCTCTAAACT	AATAGTTGAT	GTGCATTGGC	TTCTCCCAGA	ACAGAGCAGA
1984	ACTATCCCAA	ATCCCTGAGA	ACTGGAGTCT	CCTGGGGCAG	GCTTCATCAG	GATGTTAGTT
2044	ATGCCATCCT	GAGAAAGCCC	CGCAGGCCGC	TTCACCAGGT	GTCTGTCTCC	TAACGTGATG
2104	TGTTGTGGTT	GTCTTCTCTG	ACACCAGCAT	CAGAGGTTAG	AGAAAGTCTC	CAAACATGAA
2164	GCTGAGAGAG	AGGAAGCAAG	CCAGCTGAAA	GTGAGAAGTC	TACAGCCACT	CATCAATCTG
2224	TGTTATTGTG	TTTGGAGACC	ACAAATAGAC	ACTATAAGTA	CTGCCTAGTA	TGTCTTCAGT
2284	ACTGGCTTTA	AAAGCTGTCC	CCAAAGGAGT	ATTTCTAAAA	TATTTTGAGC	ATTGTTAAGC
2344	AGATTTTTAA	CCTCCTGAGA	GGGAACTAAT	TGGAAAGCTA	CCACTCACTA	CAATCATTGT
2404	TAACCTATTT	AGTTACAACA	TCTCATTTTT	GAGCATGCAA	ATAAATGAAA	AAGTCTTCCT
2464	AAAAAATCA	TCTTTTTATC	CTGGAAGGAG	GAAGGAAGGT	GAGACAAAAG	GGAGAGAGGG
2524	AGGGAAGCCT	AATGAAACAC	CAGTTACCTA	AGACCAGAAT	GGAGATCCTC	CTCACTACCT
2584	CTGTTGAATA	CAGCACCTAC	TGAAAGAACT	TTCATTCCCT	GACCATGAAC	AGCCTCTCAG
2644	CTTCTGTTTT	CCTTCCTCAC	AGAAATCCCT	CTATCATGTA	AGCTATGGCC	CACTCCATGA
2704	AGGCTGCATG	GATCAATCTG	TGTCTCTGAG	TATCTCTGAA	ACCTCTAAAA	CATCCAAGCT
2764	TACCTTCAAG	GAGAGCATGG	TGGTAGTAGC	AACCAACGGG	AAGGTTCTGA	AGAAGAGACG
2824	GTTGAGTTTA	AGCCAATCCA	TCAGTATGTA	TGACCTGGAG	GCCATCGCCA	ATGACTCAGA
2884	GGAAGGTAAG	GGGTCAAGCA	CAATAATATC	TTTCTTTTAC	AGTTTTAAGC	AAGTAGGGAC
2944	AGTAGAATTT	AGGGGAARAT	TAAACGTGGA	GTCAGAATAA	CAAGAAGACA	ACCAAGCATT
3004	AGTCTGGTAA	CTATACAGAG	GAAAATTAAT	TTTTATCCTT	CTCCAGGAGG	GAGAAATGAG
3064	CAGTGGCCTG	AATCGAGAAT	ACTTGCTCAC	AGCCATTATT	TCTTAGCCAT	ATTGTAAAGG
3124	TCGTGTGACT	TTTAGCCTTT	CAGGAGAAAG	CAGTAATAAG	ACCACTTACG	AGCTATGTTC
3184	CTCTCATACT	AACTATGCCT	CCTTGGTCAT	GTTACATAAT	CTTTTCGTGA	TTCAGTTTCC
3244	TCTACTGTAA	AATGGAGATA	ATCAGAATCC	CCCACTCATT	GGATTGTTGT	AAAGATTAAG
3304	AGTCTCAGGC	TTTACAGACT	GAGCTAGCTG	GGCCCTCCTG	ACTGTTATAA	AGATTAAATG
3364	AGTCAACATC	CCCTAACTTC	TGGACTAGAA	TAATGTCTGG	TACAAAGTAA	GCACCCAATA
3424	AATGTTAGCT	ATTACTATCA	TTATTATTAT	TATTTTATTT	TTTTTTTTTG	AGATGGAGTC
3484	TGGCTCTGTC	ACCCAGGCTG	GAGTGCAGTG	GCACAATCTC	GGCTCACTGC	AAGCTCTGCC
3544	TCCTGGGTTT	ATGCCATTCT	CCTGCCTCAG	CCTCCCGAGT	AAGCTGGGAA	TACAGGCACC
3604	CGCCACTGTT	CCCGGCTAAT	TTTTTGTAAT	TTTAGTAGAG	ACGGAGTTTC	ACCGTGGTCT
3664	CCATCTCCTC	GTGATCCACC	CACCTTGGCC	TCCCAAAGTG	CCGGGATTAC	AGGCGTGAGC
3724	CACCGCGCCC	GGCCTATTAT	TATTATTATT	ACTACTACTA	CTACCTATAT	GAATACTACC
3784	AGCAATACTA	ATTTATTAAT	GACTGGATTA	TGTCTAAACC	TCACAAGAAT	CCTACCTTCT
3844	CATTTTACAT	AAAAGGAAAC	TAAGCTCATT	GAGATAGGTA	AACTGCCCAA	TGGCATACAT
3904	CTGTAAGTGG	GAGAGCCTCA	AATCTAATTC	AGTTCTACCT	GAGTAAAAAA	ATCATGGTTT
3964	CTCCTCCATC	CCTTTACTGT	ACAAGCCTCC	ACATGAACTA	TAAACCCAAT	ATTCTGTGTT
4024	TTAAGATAAT	ACCTAAGCAA	TAACGCATGT	TCACCTAGAA	GGTTTTAAAA	TGTAACAAAA
4084	TATAAGAAAA	TAAAAATCAC	TCATATCGTC	AGTGAGAGTT	TACTACTGCC	AGCACTATGG
4144	TATGTTTCCT	TAAAATCTTT	GCTATACACA	TACCTACATG	TGAACAAATA	TGTCTAACAT
4204	CAAGACCACA	CTATTTACAA	CTTTATATCC	AGCTTTTCTT	ACTTAGCAAT	GTATTGAGGA
4264	CATTTTAGAG	TGCCCGTTTT	TCACCATTAT	AAGCAATGCA	ACAATGAACA	TCTGTATAAA
4324	TAAATATTCA	TTTCTCTCAC	CCTTTATTTC	CTTAGAATAT	ATTCCTAGAA	GTAGAATTTT
4384	CCAGAGCCAT	GAGGATTTGT	GACGCTATTG	ATATGTGCCA	CTTTGCACTC	TCTGTGACAT
4444	ATATAATTAT	TTTTAATGCA	TTCATTTTTT	TCTCAGAGTG	CATTCGTTTG	AAAACATAGA
4504	CGGGAAATAC	TGGTAGTCTT	CCTTGTCAGT	TAGAAACACC	CAAACAATGA	AAAAAGAAAA

Fig. 3 (cont.)

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4564 AGTTGCACAA ATAGTCTCTA AAAACAATGA AACTATTGCC TGAGGAATTG AAGTTTAAAA
4624 AGAAGCACAT AAGCAACAAC AAGGATAATC CTAGAAAACC AGTTCCTGCTG ACTGGGTGAT
4684 TTCACTTCTC TTTGCTTCCT CATCTGGATT GGAATATTCC TAATACCCCC TCCAGAACTA
4744 TTTTCCCTGT TTGTACTAGA CTGTGTATAT CATCTGTGTT TGTACATAGA CATTAACTG
4804 CACTTGTGAT CATGGTTTTA GAAATCATCA AGCCTAGGTC ATCACCTTTT AGCTTCCTGA
4864 GCAATGTGAA ATACAACCTT ATGAGGATCA TCAAATACGA ATTCATCCTG AATGACGCCC
4924 TCAATCAAAG TATAATTCGA GCCAATGATC AGTACCTCAC GGCTGCTGCA TTACATAATC
4984 TGGATGAAGC AGGTACATTA AAATGGCACC AGACATTTCT GTCATCCTCC CCTCCTTTCA
5044 TTTACTTATT TATTTATTTT AATCTTTCTG CTTGCAAAAA ACATACCTCT TCAGAGTTCT
5104 GGGTTGCACA ATTCTTCCAG AATAGCTTGA AGCACAGCAC CCCCATAAAA ATCCCAAGCC
5164 AGGGCAGAAG GTTCAACTAA ATCTGGAAGT TCCACAAGAG AGAAGTTTCC TATCTTTGAG
5224 AGTAAAGGGT TGTGCACAAA GCTAGCTGAT GTACTACCTC TTTGGTTCTT TCAGACATTC
5284 TTACCCTCAA TTTTAAACTG GAGGAAACTG TCAGACATAT TAAATGATTT ACTCAGATTT
5344 ACCCAGAAGC CAATGAAGAA CAATCACTCT CTTTTAAAAA GTCTGTTGAT CAAACTCACA
5404 AGTAACACCA AACCAGGAAG ATCTTTATTA TCTCTGATAA CATATTTGTG AGGCAAAACC
5464 TCCAATAAGC TACAAATATG GCTTAAAGGA TGAAGTTTAG TGTCCAAAAA CTTTTATCAC
5524 ACACATCCAA TTTTCATGGC GGACATGTTT TAGTTTCAAC AGTATACATA TTTTCAAAGG
5584 TCCAGAGAGG CAATTTTGCA ATAAACAAGC AAGACTTTTT CTGATTGGAT GCACTTCAGC
5644 TAACATGCTT TCAACTCTAC ATTTACAAAT TATTTTGTGT TCTATTTTTT TACTTAATAT
5704 TATTTCTGCA ATTTTCCCAA TATTGACATC GTGTATGTAT TTGCCATTTT TAATATCACT
5764 AGACAATTCA ATCAGGTTGC TACGTTGGTC CTTGGGTTT ACTCTAAATA GCTTGATTGC
5824 AAATATCTTT GTATATATTA TTGTTTTTTC TCCTATCTTG TAATTTCTTT GAGCACATCC
5884 CAAAGAGGAA TGCCTAGATC AATGGGCACA AATAATTTGA CAGCTCTTAT TAAACATTAT
5944 TCTGTAAGTA AAAACTGAAC TACTTTTCAG TATCACTAGC AACATATGAG TGTATCAGCT
6004 TCCTAAACCC CTCCATGTTA GGTCATTATG AACTTATGAT CTAACAAATT ACAGGGTCTT
6064 ATCCCACTAA TGAAATTATA AGAGATTCAA CACTTATTCA GCCCCGAAGG ATTCATTCAA
6124 CGTAGAAAAT TCTAAGAACA TTAACCAAGT ATTTACCTGC CTAGTGAGTG TGGAAGACAT
6184 TGTGAAGGAC ACAAGATGT ATAGAATTCC ATTCCTGACT TCCAGGTATT TACACCATAG
6244 GTGGGGACCT AACTACACAC ACACACACAC ACACACACAC ACCATGCACA
6304 CACAATCTAC ATCAACACTT GATTTTATAC AAATACAATG AATTTACTTT CTTTTTGGTT
6364 CTTCTCTTCA CCAGTGAAT TTGACATGGG TGCTTATAAG TCATCAAAGG ATGATGCTAA
6424 AATTACCGTG ATTCTAAGAA TCTCAAAAAC TCAATTGTAT GTGACTGCCC AAGATGAAGA
6484 CCAACCAGTG CTGCTGAAGG TCAGTTGTCC TTTGTCTCCA ACTTACCTTC ATTTACATCT
6544 CATATGTTTG TAAATAAGCC CAATAGGCAG ACACCTCTAA CAAGGTGACA CTGTCTCTT
6604 TCCTTCCTAC CACAGCCCC ACCTACCCAC CCCACTCCCA TTGATTCCAG AGGCGTGCCT
6664 AGGCAGGATC TATGAGAKAA TATAACAGAG AGTAAGAGGA AAATTACCTT CTTTCTTTTT
6724 CCTTTCCTG CCTGACCTTA TTCACCTCCC ATCCCAGAGC ATCCATTTAT TCCATTGATC
6784 TTTACTGACA TCTATTATCT GACCTACACA ATACTAGACA TTAGGACAAT GTGGCCTGCC
6844 TCCAAGAAAC TCAAATAAGC CAACTGAGAT CAGAGAGGAT TAATCACCTG CCAATGGGCA
6904 CAAAGCAACA AGCTGGGAGC CAAGTCCCAA AATGGGGCCT GCTGCTTCCA GTTCCCCCTC
6964 CTCTGCATTG ATGTCAGCAT TATCCTTCGT CCCAGTCCTG TCTCCACTAC CACTTTCCCC
7024 CTCAAACACA CACACACACA ACAGCCTTAG ATGTTTTCTC CACTGATAAG TAGGTGACTC
7084 AATTTGTAAG TATATAATCC AAGACCTTCT ATTCCCAAGT AGAATTTATG TGCCTGCCTG
7144 TGCTTTTCTA CCTGGATCAA GTGATGTCTA CAGAGTAGGG CAGTAGCTTC ATTCATGAAC
7204 TCATTCAACA AGCATTATTC ACTGAGAGCC TTGTATTTTT CAGGCATAGT GCCAACAGCA
7264 GTGTGGACAG TGGTGCATCA AAGCCTCTAG TCTCATAGAA CTTAGTCTTC TGGAGGATAT
7324 GGAAACAGA CAACCCAAAC AACCAACAAA AGAGCAAGAT GCTGCAAAAA AAAAAAAAT
7384 GAATAGGGTG CTAAGATAGA GAAAAGTGGG AGAGTGCTAT TTAGACAAAG TGGTAAAAAC
7444 AAAGCCCCTT GTGAGATGAG AGCTGCCGAC AGAGGGGGCG GGTGATGGTT GTGGGTTTTT
7504 GGGTAGGACA TTCAGAGGAG GGGGCGGGTC GTGGTTGTGG GTTTTTGGGT AGGACATTCA

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Fig. 3 (cont.)

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7564 GAGGAGGGGG CGGGTCGTGG TTGTGGGTTT TTGGGTAGGA CATTGAGAGG AGGGGGCGGG
7624 TCGTGGTTGT GGGTTTTTGG GTAGGACATT CAGAGGAGGG GGCGGGTCGT GGTTGTGGGT
7684 TTTTGGGACA TTCAGAGGAG TCTGAATGCA CCCAGGCCTA CAACTTCAAG ATGGTAAAGG
7744 ACAGCTCCAA GGATCAGAAG AAGCATTCTT GGAAGTGGGG CATTTTGAGA AGGAGGAAAA
7804 ATATGCAGAG ACTAGTGCTT GCAGAGCTTG CATTTGGATT TCATTTGAGG TACAATGAAA
7864 ACCCATTAAT GGGTTTCACA CAGTGCAATG GCCTGACCTC ACTTATATTT CCTAAAATAG
7924 AAAACAGATC AGAAGGAAGG CAATAGAGAA GCAGAAAGTC CAATGAGGAG GTTTCACAGC
7984 AGTCATGGGG GTGGGGTAAG GAAAAGAAGT GGAAAGAAAC AGACAGAATT GGGTTATATT
8044 TTGGAGATAG AACCAACAGA AGGAAGAGGA GAAACAACAT TTAGTGAGAA GGGAAAAAGT
8104 AGGAGAGGAA TAGGTTTGGG AAATAAATCC TGCTGACATT GGAAACCCCA AGGAAGCCTC
8164 AAAAGTATAT TTAGTTGCTT TAGATTTAAA AGAATAGGAA AGAAGCATCT CAACTTGGA
8224 TTTGAAATCT ATTTTCCAT AAAAGTATTG TTAAATCTA CTCATACTCA CAAGAAAAGT
8284 ACATTCTAAA GAGTATATTG AAAGAGTTTA CTGATATACT TAGGAATTTT GTGTGTATGT
8344 GTGTGTGTGT ATGTGTGTGT GTGTGTTTAA CCTTCAATTG TTGACTTAAA TACTGAGATA
8404 AATGTCATCT AAATGCTAAA TTGATTTCCC AAAGGTATGA TTTGTTCACT TGGAGATCAA
8464 AATGTTTAGG GGGCTTAGAA TCACTGTAGT GCTCAGATTT GATGCAAAAT GTCTTAGGCC
8524 TATGTTGAAG GCAGGACAGA AACAAATGTT CCCTCCTACC TGCCTGGATA CAGTAAGATA
8584 CTAGTGTCAC TGACAATCTT CATAACTAAT TTAGATCTCT CTCCAATCAA CTAAGGAAAT
8644 CAACTCTTAT TAATAGACTG GGCCACACAT CTACTAGGCA TGTAATAAAT GCTTGCTGAA
8704 TGAACAAATG AATGAAGAGC CTATAGCATC ATGTTACAGC CATAGTCCTA AAGTGGTGT
8764 TCTCATGAAG GCCAAATGCT AAGGGATTGA GCTTCAGTCC TTTTCTAAC ATCTTGTTCT
8824 CTAACAGAAT TCTCTTCTTT TCTTCATAGG AGATGCCTGA GATACCCAAA ACCATCACAG
8884 GTAGTGAGAC CAACCTCCTC TTCTTCTGGG AAACCTCACGG CACTAAGAAC TATTTACAT
8944 CAGTTGCCCA TCCAAACTTG TTTATTGCCA CAAAGCAAGA CTACTGGGTG TGCTTGGCAG
9004 GGGGGCCACC CTCTATCACT GACTTTCAGA TACTGGAAAA CCAGGCGTAG GTCTGGAGTC
9064 TCACTTGTCT CACTTGTGCA GTGTTGACAG TTCATATGTA CCATGTACAT GAAGAAGCTA
9124 AATCCTTTAC TGTTAGTCAT TTGCTGAGCA TGTACTGAGC CTTGTAATTC TAAATGAATG
9184 TTTACACTCT TTGTAAGAGT GGAACCAACA CTAACATATA ATGTTGTTAT TTAAAGAACA
9244 CCCTATATTT TGCATAGTAC CAATCATTTT AATTATTATT CTTCATAACA ATTTTAGGAG
9304 GACCAGAGCT ACTGACTATG GCTACCAAAA AGACTCTACC CATATTACAG ATGGGCAAAT
9364 TAAGGCATAA GAAAACATAAG AAATATGCAC AATAGCAGTT GAAACAAGAA GCCACAGACC
9424 TAGGATTTCA TGATTTTCATT TCAACTGTTT GCCTTCTGCT TTTAAGTTGC TGATGAAGTC
9484 TTAATCAAAT AGCATAAGTT TCTGGGACCT CAGTTTATC ATTTTCAAAA TGGAGGGAAT
9544 AATACCTAAG CCTTCCTGCC GCAACAGTTT TTTATGCTAA TCAGGGAGGT CATTTTGGA
9604 AAATACTTCT CGAAGCCGAG CCTCAAGATG AAGGCAAAGC ACGAAATGTT ATTTTAAAT
9664 TATTATTTAT ATATGTATTT ATAAATATAT TTAAGATAAT TATAATATAC TATATTTATG
9724 GGAACCCCTT CATCCTCTGA GTGTGACCAG GCATCCTCCA CAATAGCAGA CAGTGTTTTC
9784 TGGGATAAGT AAGTTTGATT TCATTAATAC AGGGCATTTC GGTCCAAGTT GTGCTTATCC
9844 CATAGCCAGG AACTCTGCA TTCTAGTACT TGGGAGACCT GTAATCATAT AATAAATGTA
9904 CATTAAATTAC CTTGAGCCAG TAATTGGTCC GATCTTTGAC TCTTTTGCCA TTAACCTTAC
9964 CTGGGCATTC TTGTTTCATT CAATTCCACC TGCAATCAAG TCCTACAAGC TAAAATTAGA
10024 TGAACCAAC TTTGACAACC ATGAGACCAC TGTTATCAAA ACTTCTTTT CTGGAATGTA
10084 ATCAATGTTT CTTCTAGGTT CTAATAATG TGATCAGACC ATAATGTTAC ATTATTATCA
10144 ACAATAGTGA TTGATAGAGT GTTATCAGTC ATAATAAAT AAAGCTTGCA ACAAATCTCT
10204 CTGACACATA GTTATTCATT GCCTTAATCA TTATTTTACT GCATGGTAAT TAGGGACAAA
10264 TGGTAAATGT TTACATAAAT AATTGTATTT AGTGTTACTT TATAAATCA AACCAAGATT
10324 TTATATTTTT TTCTCCTCTT TGTTAGCTGC CAGTATGCAT AAATGGCATT AAGAATGATA
10384 ATATTTCCGG GTTCACTTAA AGCTCATATT ACACATACAC AAAACATGTG TTCCCATCTT
10444 TATACAAACT CACACATACA GAGCTACATT AAAACAACCT AATAGGCCAG GCACGGTGGC
10504 TCAGACCTGT AATCCAGCA CTTTGGGAGG

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Fig. 3 (cont.)

-1933	AGAAAGAAAG	AGAGAGAGAA	AGAAAAGAAA	GAGGAAGGAA	GGAAGGAAGG	AAGAAAGACA
-1873	GGCTCTGAGG	AAGGTGGCAG	TTCCTACAAC	GGGAGAACCA	GTGGTTAATT	TGCAAAGTGG
-1813	ATCCTGTGGA	GGCANNCAGA	GGAGTCCCCT	AGGCCACCCA	GACAGGGCTT	TTAGCTATCT
-1753	GCAGGCCAGA	CACCAAATTT	CAGGAGGGCT	CAGTGTTAGG	AATGGATTAT	GGCTTATCAA
-1693	ATTCACAGGA	AACTAACATG	TTGAACAGCT	TTAGATTTTC	CTGTGGAAAA	TATAACTTAC
-1633	TAAAGATGGA	GTTCTTGTGA	CTGACTCCTG	ATATCAAGAT	ACTGGGAGCC	AAATTAAGAA
-1573	TCAGAAGGCT	GCTTGGAGAG	CAAGTCCATG	AAATGCTCTT	TTTCCCACAG	TAGAACCCTAT
-1513	TTCCCTCGTG	TCTCAAATAC	TTGCACAGAG	GCTCACTCCC	TTGGATAATG	CAGAGCGAGC
-1453	ACGATACCTG	GCACATACTA	ATTTGAATAA	AATGCTGTCA	AATTCCCATT	CACCCATTCA
-1393	AGCAGCAAAC	TCTATCTCAC	CTGAATGTAC	ATGCCAGGCA	CTGTGCTAGA	CTTGGCTCAA
-1333	AAAGATTTCA	GTTTCCTGGA	GGAACCAGGA	GGGCAAGGTT	TCAACTCAGT	GCTATAAGAA
-1273	GTGTTACAGG	CTGGACACGG	TGGCTCACGC	CTGTAATCCC	AACATTTGGG	AGGCCGAGGC
-1213	GGGCAGATCA	CAAGGTCAGG	AGATCGAGAC	CATCCTGGCT	AACATGGTGA	AACCCTGTCT
-1153	CTACTAAAAA	TACAAAAAAT	TAGCCGGGCG	TTGGCGGCAG	GTGCCTGTAG	TCCCAGCTGC
-1093	TGGGGAGGCT	GAGGCAGGAG	AATGGTGTGA	ACCCGGGAGG	CGGAACTTGC	AGGGGGCCGA
-1033	GATCGTGCCA	CTGCACTCCA	GCCTGGGCGA	CAGAGTGAGA	CTCTGTCTCA	AAAAAAAAAA
-973	AAAAGTGTTA	TGATGCAGAC	CTGTCAAAGA	GGCAAAGGAG	GGTGTTCCTA	CACTCCAGGC
-913	ACTGTTTATA	ACCTGGACTC	TCATTTCATC	TACAAATGGA	GGGCTCCCCCT	GGGCAGATCC
-853	CTGGAGCAGG	CACTTTGCTG	GTGTCTCGGT	TAAAGAGAAA	CTGATAACTC	TTGGTATTAC
-793	CAAGAGATAG	AGTCTCAGAT	GGATATTCTT	ACAGAAACAA	TATTCCCCT	TTTCAGAGTT
-733	CACCAAAAAA	TCATTTTAGG	CAGAGCTCAT	CTGGCATTGA	TCTGGTTCAT	CCATGAGATT
-673	GGCTAGGGTA	ACAGCACCTG	GTCTTGCAAG	GTTGTGTGAG	CTTATCTCCA	GGGTTGCCCC
-613	AACTCCGTCA	GGAGCCTGAA	CCCTGCATAC	CGTATGTTCT	CTGCCCCAGC	CAAGAAAGGT
-553	CAATTTTCTC	CTCAGAGGCT	CCTGCAATTG	ACAGAGAGCT	CCCAGGGCAG	AGAACAGCAC
-493	CCAAGGTAGA	GACCCACACC	CTCAATACAG	ACAGGGAGGG	CTATTGGCCC	TTCATTGTAC
-433	CCATTTATCC	ATCTGTAAGT	GGGAAGATTC	CTAAACTTAA	GTACAAAGAA	GTGAATGAAG
-373	AAAAGTATGT	GCATGTATAA	ATCTGTGTGT	CTTCCACTTT	GTCCCACATA	TACTAAATTT
-313	AAACATTCTT	CTAACGTGGG	AAAATCCAGT	ATTTTAATGT	GGACATCAAC	TGCACAACGA
-253	TTGTCAAGAA	AACAATGCAT	ATTTGCATGG	TGATACATTT	GCAAAATGTG	TCATAGTTTG
-193	CTACTCCTTG	CCCTTCCATG	AACCAGAGAA	TTATCTCAGT	TTATTAGTCC	CCTCCCCTAA
-133	GAAGCTTCCA	CCAATACTCT	TTTCCCCTTT	CCTTTAACTT	GATTGTGAAA	TCAGGTATTC
-73	AACAGAGAAA	TTTCTCAGCC	TCCTACTTCT	GCTTTTGAAA	GCTATAAAAA	CAGCGAGGGA
-13	GAAACTGGCA	GATACCAAAC	CTCTTCGAGG	CACAAGGCAC	AACAGGCTGC	TCTGGGATTC
48	TCTTCAGCCA	ATCTTCATTG	CTCAAGTATG	ACTTTAATCT	TCCTTACAAC	TAGGTGCTAA
108	GGGAGTCTCT	CTGTCTCTCT	GCCTCTTTGT	GTGTATGCAT	ATTCTCTCTC	TCTCTCTCTT
168	TCTTTCTCTG	TCTCTCCTCT	CCTTCCTCTC	TGCCTCCTCT	CTCAGCTTTT	TGCAAAAATG
228	CCAGGTGTAA	TATAATGCTT	ATGACTCGGG	AAATATTCTG	GGAATGGATA	CTGCTTATCT
288	AACAGCTGAC	ACCTTAAAGG	TTAGTGTCAA	AGCCTCTGCT	CCAGCTCTCC	TAGCCAATAC
238	ATTGCTAGTT	GGGGTTTGGT	TTAGCAAATG	CTTTTCTCTA	GACCCAAAGG	ACTTCTCTTT
308	CACACATTCA	TTCATTTACT	CAGAGATCAT	TTCTTTGTCAT	GACTGCCATG	CACTGGATGC
468	TGAGAGAAAT	CACACATGAA	CGTAGCCGTC	ATGGGGAAGT	CACTCATTTT	CTCCTTTTTTA
528	CACAGGTGTC	TGAAGCAGCC	ATGGCAGAAG	TACCTGAGCT	CGCCAGTGAA	ATGATGGCTT
588	ATTACAGGTC	AGTGGAGACG	CTGAGACCAG	TAACATGAGC	AGGTCTCCTC	TTTCAAGAGT
648	AGAGTGTAT	CTGTGCTTGG	AGACCAGATT	TTTCCCCTAA	ATTGCCTCTT	TCAGTGGCAA
708	ACAGGGTGCC	AAGTAAATCT	GATTTAAAGA	CTACTTTCCC	ATTACAAGTC	CCTCCAGCCT
768	TGGGACCTGG	AGGCTATCCA	GATGTGTTGT	TGCAAGGGCT	TCCTGCAGAG	GCAAATGGGG
828	AGAAAAGATT	CCAAGCCCAC	AATACAAGGA	ATCCCTTTGC	AAAGTGTGGC	TTGGAGGGAG
888	AGGGAGAGCT	CAGATTTTAG	CTGACTCTGC	TGGGCTAGAG	GTTAGGCCTC	AAGATCCAAC
948	AGGGAGCACC	AGGGTGCCCA	CCTGCCAGGC	CTAGAATCTG	CCTTCTGGAC	TGTTCTGCGC

Fig. 4

1008	ATATCACTGT	GAAACTTGCC	AGGTGTTTCA	GGCAGCTTTG	AGAGGCAGGC	TGTTTGCAGT
1068	TTCTTATGAA	CAGTCAAGTC	TTGTACACAG	GGAAGGAAAA	ATAAACCTGT	TTAGAAGACA
1128	TAATTGAGAC	ATGTCCCTGT	TTTTATTACA	GTGGCAATGA	GGATGACTTG	TTCTTTGAAG
1188	CTGATGGCCC	TAAACAGATG	AAGGTAAGAC	TATGGGTTTA	ACTCCCAACC	CAAGGAAGGG
1248	CTCTAACACA	GGGAAAGCTC	AAAGAAGGGA	GTTCTGGGCC	ACTTTGATGC	CATGGTATTT
1308	TGTTTTAGAA	AGACTTTAAC	CTCTTCCAGT	GAGACACAGG	CTGCACCACT	TGCTGACCTG
1368	GCCACTTGGT	CATCATATCA	CCACAGTCAC	TCACTAACGT	TGGTGGTGGT	GGCCACACTT
1428	GGTGGTGACA	GGGGAGGAGT	AGTGATAATG	TTCCCATTTC	ATAGTAGGAA	GACAACCAAG
1488	TCTTCAACAT	AAATTTGATT	ATCCTTTTAA	GAGATGGATT	CAGCCTATGC	CAATCACTTG
1548	AGTTAAACTC	TGAAACCAAG	AGATGATCTT	GAGAACTAAC	ATATGTCTAC	CCCTTTTGAG
1608	TAGAATAGTT	TTTTGCTACC	TGGGGTGAAG	CTTATAACAA	CAAGACATAG	ATGATATAAA
1668	CAAAAAGATG	AATTGAGACT	TGAAAGAAAA	CCATTCACTT	GCTGTTTGAC	CTTGACAAGT
1728	CATTTTACCC	GCTTTGGACC	TCATCTGAAA	AATAAAGGGC	TGAGCTGGAT	GATCTCTGAG
1788	ATTCCAGCAT	CCTGCAACCT	CCAGTTCCTGA	AATATTTTCA	GTTGTAGCTA	AGGGCATTTG
1848	GGCAGCAAAT	GGTCATTTTT	CAGACTCATC	CTTACAAAGA	GCCATGTTAT	ATTCCCTGCTG
1908	TCCCTTCTGT	TTTATATGAT	GCTCAGTAGC	CTTCCTAGGT	GCCCAGCCAT	CAGCCTAGCT
1968	AGGTCAGTTG	TGCAGGTTGG	AGGCAGCCAC	TTTTCTCTGG	CTTTATTTTA	TTCCAGTTTG
2028	TGATAGCCTC	CCCTAGCCTC	ATAATCCAGT	CCTCAATCTT	GTTAAAAACA	TATTTCTTTA
2088	GAAGTTTTAA	GACTGGCATA	ACTTCTTGGC	TGCAGCTGTG	GGAGGAGCCC	ATTGGCTTGT
2148	CTGCCTGGCC	TTTGCCCCC	ATTGCCTCTT	CCAGCAGCTT	GGCTCTGCTC	CAGGCAGGAA
2208	ATTCTCTCCT	GCTCAACTTT	CTTTTGTGCA	CTTACAGGTC	TCTTTAACTG	TCTTTCAAGC
2268	CTTTGAACCA	TTATCAGCCT	TAAGGCAACC	TCAGTGAAGC	CTTAATACGG	AGCTTCTCTG
2328	AATAAGAGGA	AAGTGGTAAAC	ATTTCCAAAA	AAGTACTCTC	ACAGGATTTG	CAGAATGCCT
2388	ATGAGACAGT	GTTATGAAAA	AGGAAAAAAA	AGAACAGTGT	AGAAAAATTG	AATACTTGCT
2448	GAGTGAGCAT	AGGTGAATGG	AAAATGTTAT	GGTCATCTGC	ATGAAAAAGC	AAATCATAGT
2508	GTGACAGCAT	TAGGGATACA	AAAAGATATA	GAGAAGGTAT	ACATGTATGG	TGTAGGTGGG
2568	GCATGTACAA	AAAGATGACA	AGTAGAATCG	GGATTTATTC	TAAAGAATAG	CCTGTAAGGT
2628	GTCCAGAAGC	CACATTCTAG	TCTTGAGTCT	GCCTCTACCT	GCTGTGTGCC	CTTGAGTACA
2688	CCCTTAACCT	CCTTGAGCTT	CAGAGAGGGA	TAATCTTTTT	ATTTTATTTT	ATTTTATTTT
2748	GTTTTGTTTT	GTTTTGTTTT	GTTTTATGAG	ACAGAGTCTC	ACTCTGTTGC	CCAGGCTGGA
2808	GTGCAGTGGT	ACAATCTTGG	CTTACTGCAT	CCTCCACCTC	CTGAGTTCAA	GCGATTCTCC
2868	TTCTTCAGTC	TCCTGAATAG	CTAGGATTAC	AGGTGCACCC	CACCACACCC	AGCTAATTTT
2928	TGTATTTTTA	GTAGAGAAGG	GGTTTCGCCA	TGTTGGCCAG	GCTGGTTTTG	AAGTCCTGAC
2988	CTAAATGATT	CATCCACCTC	GGCTTCCCAA	AGTGCTGGGA	TTACAGGCAT	GAGCCACCAC
3048	GCCTGGCCCA	GAGAGGGATG	ATCTTTAGAA	GCTCGGGATT	CTTTCAAGCC	CTTCTCTCCT
3108	CTCTGAGCTT	TCTACTCTCT	GATGTCAAAG	CATGGTTCCT	GGCAGGACCA	CCTCACCAGG
3168	CTCCCTCCCT	CGCTCTCTCC	GCAGTGCTCC	TTCCAGGACC	TGGACCTCTG	CCCTCTGCAT
3228	GGCGGCATCC	AGCTACGAAT	CTCCGACCAC	CACTACAGCA	AGGGCTTCAG	GCAGGCCGCG
3288	TCAGTTGTTG	TGGCCATGGA	CAAGCTGAGG	AAGATGCTGG	TTCCCTGCCC	ACAGACCTTC
3348	CAGGAGAATG	ACCTGAGCAC	CTTCTTTCCC	TTCATCTTTG	AAGAAGGTAG	TTAGCCAAGA
3408	GCAGGCAGTA	GATCTCCACT	TGTGTCCTCT	TGGAAGTCAT	CAAGCCCCAG	CCAACCTCAAT
3468	TCCCCCAGAG	CCAAAGCCCT	TTAAAGGTAG	AAGGCCCAGC	GGGGAGACAA	AACAAAGAAG
3528	GCTGGAAACC	AAAGCAATCA	TCTCTTTAGT	GGAAACTATT	CTTAAAGAAG	ATCTTGATGG
3588	CTACTGACAT	TTGCAACTCC	CTCACTCTTT	CTCAGGGGCC	TTTCACTTAC	ATTGTCACCA
3648	GAGGTTTCGTA	ACCTCCCTGT	GGGCTAGTGT	TATGACCATC	ACCATTTTAC	CTAAGTAGCT
3708	CTGTTGCTCG	GCCACAGTGA	GCAGTAATAG	ACCTGAAGCT	GGAACCCATG	TCTAATAGTG
3768	TCAGGTCCAG	TGTTCTTAGC	CACCCCACTC	CCAGCTTCAT	CCCTACTGGT	GTTGTCATCA
3828	GACTTTGACC	GTATATGCTC	AGGTGTCCTC	CAAGAAATCA	AATTTTGCCA	CCTCGCCTCA
3888	CGAGGCCTGC	CCTTCTGATT	TTATACCTAA	ACAACATGTG	CTCCACATTT	CAGAACCTAT
3948	CTTCTTCGAC	ACATGGGATA	ACGAGGCTTA	TGTGCACGAT	GCACCTGTAC	GATCACTGAA

Fig. 4 (cont.)

4008 CTGCACGCTC CGGGACTCAC AGCAAAAAAG CTTGGTGATG TCTGGTCCAT ATGAACTGAA
 4068 AGCTCTCCAC CTCCAGGGAC AGGATATGGA GCAACAAGGT AAATGGAAAC ATCCTGGTTT
 4128 CCCTGCCTGG CCTCCTGGCA GCTTGCTAAT TCTCCATGTT TTAAACAAAG TAGAAAGTTA
 4188 ATTTAAGGCA AATGATCAAC ACAAGTGAAA AAAAATATTA AAAAGGAATA TACAAACTTT
 4248 GGTCTAGAA ATGGCACATT TGATTGCACT GGCCAGTGCA TTTGTTAACA GGAGTGTGAC
 4308 CCTGAGAAAT TAGACGGCTC AAGCACTCCC AGGACCATGT CCACCCAAGT CTCTTGGGCA
 4368 TAGTGCAGTG TCAATTCTTC CACAATATGG GGTCAATTGA TGGACATGGC CTAAC TGCCT
 4428 GTGGGTTCTC TCTTCCTGTT GTTGAGGCTG AAACAAGAGT GCTGGAGCGA TAATGTGTCC
 4488 ATCCCCCTCC CCAGTCTTCC CCCCTTGCCC CAACATCCGT CCCACCCAAT GCCAGGTGGT
 4548 TCCTTG TAGG GAAATTTTAC CGCCCAGCAG GAACTTATAT CTCTCCGCTG TAACGGGGCAA
 4608 AAGTTTCAAG TGCGGTGAAC CCATCATTAG CTGTGGTGAT CTGCCTGGCA TCGTGCCACA
 4668 GTAGCCAAAG CCTCTGCACA GGAGTGTGGG CAACTAAGGC TGCTGACTTT GAAGGACAGC
 4728 CTCCTCAGG GGGAAGCTAT TTGCTCTCAG CCAGGCCAAG AAAATCCTGT TTCTTTGGAA
 4788 TCGGGTAGTA AGAGTGATCC CAGGGCCTCC AATTGACACT GCTGTGACTG AGGAAGATCA
 4848 AAATGAGTGT CTCTCTTTGG AGCCACTTTC CCAGCTCAGC CTCTCCTCTC CCAGTTTCTT
 4908 CCCATGGGCT ACTCTCTGTT CCTGAAACAG TTCTGGTGCC TGATTTCTGG CAGAAGTACA
 4968 GCTTCACCTC TTTCCTTTCC TTCCACATTG ATCAAGTTGT TCCGCTCCTG TGGATGGGCA
 5028 CATTGCCAGC CAGTGACACA ATGGCTTCCT TCCTTCCTTC CTTCAGCATT TAAATGTAG
 5088 ACCCTCTTTC ATTCTCCGTT CCTACTGCTA TGAGGCTCTG AGAAACCCTC AGGCCTTTGA
 5148 GGGGAAACCC TAAATCAACA AAATGACCCT GCTATTGTCT GTGAGAAGTC AAGTTATCCT
 5208 GTGTCTTAGG CCAAGGAACC TCACTGTGGG TTCCACAGA GGCTACCAAT TACATGTATC
 5268 CTA CTCTCGG GGCTAGGGGT TGGGGTGACC CTGCATGCTG TGTCCCTAAC CACAAGACCC
 5328 CTTCTTTCT TCAGTGGTGT TCTCCATGTC CTTTGTACAA GGAGAAGAAA GTAATGACAA
 5388 AATACCTGTG GCCTTGGGCC TCAAGGAAAA GAATCTGTAC CTGTCTGCG TGTTGAAAGA
 5448 TGATAAGCCC ACTCTACAGC TGGAGGTAAG TGAATGCTAT GGAATGAAGC CCTTCTCAGC
 5508 CTCCTGCTAC CACTTATTCC CAGACAATTC ACCTTCTCCC CGCCCCATC CCTAGGAAAA
 5568 GCTGGGAACA GGTCTATTTG ACAAGTTTTG CATTAAATGTA AATAAATTTA ACATAATTTT
 5628 TA ACTGCGTG CAACCTTCAA TCCTGCTGCA GAAAATTAAA TCATTTTGCC GATGTTATTA
 5688 TGTCCTACCA TAGTTACAAC CCCAACAGAT TATATATTGT TAGGGCTGCT CTCATTTGAT
 5748 AGACACCTTG GGAAATAGAT GACTTAAAGG GTCCCATAT CACGTCCACT CCACTCCCAA
 5808 AATCACCACC ACTATCACCT CCAGCTTTCT CAGCAAAAAGC TTCATTTCCA AGTTGATGTC
 5868 ATTCTAGGAC CATAAGGAAA AATACAATAA AAAGCCCCTG GAAACTAGGT ACTTCAAGAA
 5928 GCTCTAGCTT AATTTTCACC CCCCCAAAAA AAAAAAATTC TCACCTACAT TATGCTCCTC
 5988 AGCATTGTC ACTAAGTTTT AGAAAAGAAG AAGGGCTCTT TTAATAATCA CACAGAAAGT
 6048 TGGGGGCCCA GTTACAACCT AGGAGTCTGG CTCCTGATCA TGTGACCTGC TCGTCAGTTT
 6108 CTTTCTGTC CAACCCAAAG AACATCTTTC CCATAGGCAT CTTTGTCCCT TGCCCCACAA
 6168 AAATCTTCT TTCTCTTTCG CTGCAGAGTG TAGATCCCAA AAATTACCCA AAGAAGAAGA
 6228 TGGAAAAGCG ATTTGTCTTC AACAAGATAG AAATCAATAA CAAGCTGGAA TTTGAGTCTG
 6288 CCCAGTTCCC CAACTGGTAC ATCAGCACCT CTCAAGCAGA AAACATGCCC GTCTTCTCTG
 6348 GAGGGACCAA AGGCGGCCAG GATATAACTG ACTTCACCAT GCAATTTGTG TCTTCCTAAA
 6408 GAGAGCTGTA CCCAGAGAGT CCTGTGCTGA ATGTGGACTC AATCCCTAGG GCTGGCAGAA
 6468 AGGGAACAGA AAGGTTTTTG AGTACGGCTA TAGCCTGGAC TTCTCTGTTG TCTACACCAA
 6528 TGCCCAACTG CCTGCCTTAG GGTAGTGCTA AGAGGATCTC CTGTCCATCA GCCAGGACAG
 6588 TCAGCTCTCT CTTTCAGGG CCAATCCCCA GCCCTTTTGT TGAGCCAGGC CTCTCTCACC
 6648 TCTCCTACTC ACTTAAAGCC CGCCTGACAG AAACCACGGC CACATTTGGT TCTAAGAAAC
 6708 CCTCTGTCAT TCGCTCCAC ATTCTGATGA GCAACCGCTT CCCTATTTAT TTATTTATTT
 6768 GTTTGTTTGT TTTGATTCAT TGGTCTAATT TATTCAAAGG GGGCAAGAAG TAGCAGTGTC
 6828 TGTAAGAGAG CCTAGTTTTT AATAGCTATG GAATCAATTC AATTTGGACT GGTGTGCTCT
 6888 CTTTAAATCA AGTCCTTTAA TTAAGACTGA AAATATATAA GCTCAGATTA TTAAATGGG
 6948 AATATTTATA AATGAGCAAA TATCATACTG TTCAATGGTT CTGAAATAAA CTTCACTGAA

Fig. 4 (cont.)

7008 GAAAAAAAAA AAAGGGTCTC TCCTGATCAT TGACTGTCTG GATTGACACT GACAGTAAGC
7068 AAACAGGCTG TGAGAGTTCT TGGGACTAAG CCCACTCCTC ATTGCTGAGT GCTGCAAGTA
7128 CCTAGAAATA TCCTTGGCCA CCGAAGACTA TCCTCCTCAC CCATCCCCTT TATTTGTTG
7188 TTCAACAGAA GGATATTCAG TGCACATCTG GAACAGGATC AGCTGAAGCA CTGCAGGGAG
7248 TCAGGACTGG TAGTAACAGC TACCATGATT TATCTATCAA TGCACCAAAC ATCTGTTGAG
7308 CAAGCGCTAT GTACTAGGAG CTGGGAGTAC AGAGATGAGA ACAGTCACAA GTCCCTCCTC
7368 AGATAGGAGA GGCAGCTAGT TATAAGCAGA ACAAGGTAAC ATGACAAGTA GAGTAAGATA
7428 GAAGAACGAA GAGGAGTAGC CAGGAAGGAG GGAGGAGAAC GACATAAGAA TCAAGCCTAA
7488 AGGGATAAAC AGAAGATTTT CACACATGGG CTGGGCCAAT TGGGTGTCGG TTACGCCTGT
7548 AATCCCAGCA CTTTGGGTGG CAGGGGCAGA AAGATCGCTT GAGCCCAGGA GTTCAAGACC
7608 AGCCTGGGCA ACATAGTGAG ACTCCCATCT CTACAAAAAA TAAATAAATA AATAAAACAA
7668 TCAGCCAGGC ATGCTGGCAT GCACCTGTAG TCCTAGCTAC TTGGGAAGCT GACACTGGAG
7728 GATTGCTTGA GCCCAGAAGT TCAAGACTGC AGTGAGCTTA TCCGTTGACC TGCAGGTCGA
7788 C

Fig. 4 (cont.)

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-5988 GTCGACCTGC AGGTCAACGG ATCTGAGAGG AGAGTAGCTT CTTGTAGATA ACAGTTGGAT
-5928 TATATACCAT GTCCTGATCC CCTTCATCAT CCAGGAGAGC AGAGGTGGTC ACCCTGATAG
-5868 CAGCAAGCCT GGGGGCTGCA GCTTGGTGGG TAGAGGTACT CAGGGGTACA GATGTCTCCA
-5808 AACCTGTCCT GCTGCCTTAG GGAGCTTCTA ATAAGTTGAT GGATTTGGTT AAAATTAACT
-5748 TGGCTACTTG GCAGGACTGG GTCAGTGAGG ACCAACAAAA AGAAGACATC AGATTATACC
-5688 CTGGGGGTTT GTATTTCTTG TGTTCCTTTC TCTTCTTTGT ACTAAAATAT TTACCCATGA
-5628 CTGGGAAAGA GCAACTGGAG TCTTTGTAGC ATTATCTTAG CAAAAATTTA CAAAGTTTGG
-5568 AAAACAATAT TGCCCATATT GTGTGGTGTG TCCTGTGACA CTCAGGATTC AAGTGTGGC
-5508 CGAAGCCACT AAATGTGAGA TGAAGCCATT ACAAGGCAGT GTGCACATCT GTCCACCCAA
-5448 GCTGGATGCC AACATTTTAC AAATAGTGCT TGCCTGACAC AAATGCAGTT CCAGGAGGCC
-5388 CAAATGAAAA TGTTCGTAAG GAAATTTGTT AAAGCTTCCC GACAAACTAG ATTTATCAGT
-5328 AAGGATTGTT TTCTGCAAGG GGGATGAAAC TTGTGGGGTG AGCCATTTGG GCTGAGGAGG
-5268 AGGGAGGTTG GAGCTGAGAA ATGTGGAGAC AATTTCCCTT TAGAAGGACT GAATCTCCCT
-5208 GCCTCTCTGG GGTGCGGCAG CCAGCAGGAT CCAATGGTGT ATATGTCTCC CCAGCTCCCC
-5148 ATTCAGTGAT ATCATGTCAG TAGCTTGAAA TTATCCGTGG TGGGAGTATT ATGTGATGGA
-5088 AATTGGCAAA TGGAACTTTT TATTGGAGAT TCAATTGTTA AACTTTTACC AGCACAACAC
-5028 TGCCCTGCCT TCAGAGTCAA TGACCCTATC CAAGTTTAAT CCATCTGTCC ACTGTCTCCA
-4968 ACACGATCTT TATAAACAC ACCTGACAAC ATTACCCTTT TATTCAGTTT TTTAAAAGAT
-4908 AAGTTTCCAG CTCATCGGGG TGGCTTTAAA GGCCATTTCT CCTCTGGACC TCACCCAACT
-4848 TTTCAAATCA CTTTTCTTAC CCCTACCTCT AAATGCTACT CAAACTCCAG CCATCTGAA
-4788 TAATAAGACT TTTGAAAAGT AGATTATGGG CTGGGCACAG TGGCTCACAC CTGTAATCCC
-4728 AGCACTTTGG GAGGCCAAGA TGGGTGGATC ACCTGAGGTC GGGAGTTCGA GACCAGCCTG
-4668 ACTAACATAG TGAAACCCTG TCTCTACTAA AAATACAAAA TTAGTTGGGG GTGGTGGCAC
-4608 AAGCCTGTAA TCCCAGCTAC TCAGGAGGTT GAGGCAGGGG AATTGCTTGA ACCTGGGAGG
-4548 CGGAGGTTGC GGTGAGCCTA GATTGCTCCA CTGCACTCCA GCCTGGGCAA CAAGAGCGAA
-4488 ACTCCATCTC AAAAAAATAA ATAAATAAAT AAAGTAGATT ACATCAGATA CCTCTGGCCT
-4428 AGGTTGTTTA TGACCAACTC TCCTGCTGAG AATAACTAGA AAAGCTAGAC AAAACATATT
-4368 TCCAAAAGAT CTCTTTGGAG GCATCAGAGA ATGGCCAAGG CTGTAAGGAA CTGCCTGAGC
-4308 CCAGAGAGGT GGAGCCAGC ACTGGTGCCC TTTACTCCTG GGGACATGTG CTGGTTTCAA
-4248 AAACCTCAGC TGAGCTTTTG AGCATTTCATG GAACTTGGTG GGGGAGATGA AATTTGTACC
-4188 TTAAATCCTG CCTACAGGGA GGGTCCCTGA TAATCCCCAC CCAATTGGA AATCTGGGTC
-4128 AGCCTTCACA GGTACTGAAG CCCTCCTCTG AATGATCTCA AGTCCTGCTA GGGTAGAGGT
-4068 TACCTGCTTT TGAAAGGCTC CTGGCCTACC TGTGCAGCAG GAGCAAAAGT GAACCATCTC
-4008 AGGGTACAGA TAACAATCAT CCAGAGCCTT GAATGACCTC TACTGTGCTT AATATATAGT
-3948 ATTCAGCAGT CAGTAAAAAG GATTTAGGCA CATGCAAGAT GACCTGTGTA TCAGGGAGAA
-3888 ATAGGCAATA AATTGAGATC CAGCAGGGAT TTGAATCATG GATTTGAATC AGGGGCAGCC
-3828 TTCGAAAGAA CTATGGAGAA TATACTCAGA TTTAAAACAT AAGATTGGAA TTTTGGCAG
-3768 AGAACTAACA ACTGTACAAA AAAGGAACCA AATGGAAATC CTAGAACTGA AAGATGCAAT
-3708 TAACCGATGT TGAGAAATAG CCAACATCTA TTGAACACTT CCCATGTGGA CAGCTGTGCT
-3648 AAACACTTTA CAGGCATCAA CATAAGATGT GTCCCCTTAC AGCAGTGCAG TGTCCCTCCT
-3588 AAGACATGGA CAGCCTGGTT TCCCTATCTC TCTGCTTCAT CAAAACCCCT TTACGTGGGG
-3528 CTTAGACACT CCTGTTGTCT CTAGTGTCTA GTAGCACAGG GCTCAGCACA TGGGAAGCCAC
-3468 TAGATACAAT TTGATGACCA GGACCTCCGA TGAAAGCCAT GGGTGCTGAT TGGGAAGGCA
-3408 TTGTCTTTTA TGTGCTATGG TCTTAAAGCT TCATCCAGGA AGCAGAACTC GGGGGGTGCT
-3348 GAGGACCCAG AACCGAGAAT AAGATTAGTC AGAGATTTCC TGTGGGCAGA AATCATAAGG
-3288 ACGCCAACCTG TTTGGGTGAG ATAAGACGAA ACCAAGAGTG GACTTGTGGC CAGAAGCGTG
-3228 AGGAAGAGGG AGAGAGCTTC CTTGTCCCC TTTCTTCCTC TCCCTAAGCC ACAGTGATTG
-3168 ACAGCCCCCC CGCTTTGGAG TCAGAGCAGG CTTGAGACTG GACTGGGAAA GGAGGGTGGG
-3108 TCAGGATACA GAGCAGGAAG GCTGGGAGTG CAGGGCAGGA GCAAGGGGCT GGGGCATTCA
-3048 TTGTGCCTGA TCTCTCCAC TTTACCTGGG GTAAAGAAGC ATATGCAAAA GCCACGGTGT

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Fig. 5

-2988	GAGTATTTCC	CAAGTGCCAG	GGTCAGGGCA	TGATTCATCA	CGTGCAGCAT	TTCATTCAAT
-2928	CCTTATAGTA	ACCGATGATG	TGGCTTCTAT	TATTAGCTCT	ATCAGATAAT	GAAACTGAGA
-2868	CCAAGACAGG	CTCTGCACAT	TGTGTGGGGT	AATGACACAG	GGGGATTGAG	ACCTAGACTC
-2808	CATAACTCCT	GCCCCAGGGA	CCACCCCCAC	CCTCACCCCTG	TGCATGTCGA	CAAAGGACAG
-2748	ACTGGGGCCAC	TTCTCAGGAC	ACAGCGGGGA	AATGACACAG	AGCAGGGAGG	TTCCAGGAGC
-2688	CCCGAGCGTC	TTTTCTCCAG	GAGAATACTC	TCTGAATTCA	GACTGGGGTC	AGAGAAACAT
-2628	TTACCCAGGA	GCCGCAGTGT	GGGTGGGGCT	TTTTACTTGA	AACGCTGTCT	GAAGGCAGTG
-2568	GCAGGATGAA	CTCTCCACCC	TACCTTGGCA	AGCCACTTCT	CTTCTGCAAT	CTGTAAGGAC
-2508	ATTGTTGAGA	GAATTATGGT	CTTCCAATTC	CGGAGGGTTG	AAGAAAGACA	AATAGGAGAG
-2448	AACCTATCAT	AGTCAGGTGC	TAGCTGCCTT	CTCTTTCAGA	GAGTGTGAGA	ATAAAGTGAT
-2388	ACACTTGATT	ATTAGCAAAT	ACTTTGGAAA	TTTTAAACGC	TAATATTCAA	CACACTCTGG
-2328	AAGAGGCAAA	TAAGTAGACA	GGTTCATATA	CATCATCTCC	TTCAGCTAGT	CCTCACAAAA
-2268	ACAAACAAAT	GAATAAACAA	AATTCTTCTT	TGGCCCTCAT	AGGAAGACAC	TGTTTTCTTGA
-2208	ACGTGTTTTCA	AAAAGGATGG	GTGACTCACT	CAAGGTCACA	CTGTTTATGA	GGACAGTACA
-2148	GGAATACAGA	CATGCCATTT	TGCCTGAAAA	AATCCATCAC	CCAGGGAGGT	GACACAATTT
-2088	TGCAGAAATG	TTCTATTTCC	TCTGAAGGAT	ACATTCTTTA	AACCTTTGGG	AAATTCATTC
-2028	ATAGTCTTCC	TCCTTTGAAG	GATTACTCTC	TGGACACAAA	GTGTTTGATT	CTGATTTGTT
-1968	GGTTGGAAGA	TGTGTTGGTT	GAGAGAAAGA	TTCTGATTTG	TTGGTTGAAA	ATAGACTCAT
-1908	CAAGATCAAC	TGCTGTAGTA	GTAATATATT	TGACATTTTG	TCTGTATTCC	TGTGCTGCCC
-1848	TCACAAGCTG	CATCACCTTG	AGTGAGTCAT	TCATACTTTT	TTGTTTGTTT	TTGTTTTGGA
-1788	GATGGAGTCT	TACTCTGTTG	CCTAGGCTGG	AGTGCGGTGG	CGTGATCTTG	GCTCACTGCG
-1728	ACCTCCATCT	CCTGGGTTC	AGTGATCCTC	CTGCCTCAGC	CTCCCGAGTA	GCTGGGATTA
-1668	CAGGCACATG	CCACCATCCC	TGCTAATTTT	TGCATTTTCA	GTAGAGACGG	AGTTTCACCA
-1608	TGTTGGTCAG	GTTGGTCTTG	AACCTCTGAC	CTCAGGTGAT	CCGCCCACCT	CAGCCTCCCC
-1548	AAGTGCTGGG	ATTACAGGTG	TGAGCCACCG	TGCCCAGCCC	AGCCATCATT	TTTGAACAC
-1488	GTTTGAGAAA	TAGTGTCTTC	CTTTGAGGGC	CAAGGAGACA	TTTTTTTTGT	TTATTTGTTT
-1428	GTTTTTGTTGA	GGACTAGCTG	AAGGGGGTGA	TGTATATTAA	CCTGCCTACT	TATTTGCCTC
-1368	TTCCCAGAGT	GTGATGAATA	TTAGGGTTTA	AAGTTTCTGA	AGCATTTGTT	AATAAAGCCC
-1308	GGGGCTGGAG	GTCAGAAGAC	CTGGATTTCT	CTGCATACTT	TTGCCATCAG	CAAGCTGTGT
-1248	GACCTTGGAC	AGATCCCTTT	TTTGTCTAAA	TCTTTCTGAG	TCTTCTTGAA	AACAATGCCA
-1188	GGTTGGGACA	GGATGATTGC	CAAGCTCCCG	TCCAGCTCTA	AAACACTGCA	ACGTATGCTT
-1128	CTGCACCAGC	ACTGTCCATC	CTGTAGATCA	TGCAGAAATT	CTCTTCAACT	TTTTCTTACC
-1068	CATAAAATAG	GAGCATGCTT	ACCTTTTTTC	TAATGTTCCA	GGCCCCGGGT	CTAGATATTG
-1008	TAAGTAAGGA	AGTTAATGTG	TATCAGAGCC	CATTATGGGC	CAGAAGTTCT	CCTCTTCCCT
-948	CCTACACCTG	CTTCCCTCCCT	CCCTCCCTCC	CTCTTTCCCT	TCCTTCCCTC	CATCCATTTG
-888	TGAAGAAGAC	ATGATCACCC	TCATTCTGAG	AGTGAAGAGA	CAGAGGCTCA	ACTAATGAAA
-828	TGATTTGTTT	AAGGTCACAC	GGGTGGCACA	AGGCAAGTGG	CAGAGGTTGA	ATTTAGACCC
-768	ATTCCTGTCC	AAATGCTGAG	TTTATGTCAT	CGTCCCGAGA	CCATAACTTT	AAAGATGTAA
-708	GATAGTGGGA	AAAGAGTTGA	TTTCAAAGCA	CCTCTCAGAA	GGACTCACTT	TACATCAGGG
-648	GTCAGCAGAC	TCAGGCCAAA	TCCGGTCCAT	TCCCCGCTTT	TGCAAAGAAA	GTTGTAGTGG
-588	AACACAGCTA	GGCTTATTGA	TTTATGGATT	GCCAACGTCC	TTTTGTGAAA	CAGACAGCTG
-528	AGCTGAGTAA	TCGTGGCGCA	CAAAACCTAA	AATATTTACT	ATCTCGTCCT	TTACAGAATG
-468	TTTGCCAATC	TATGGTCCGG	AGTCCAAGGC	TGTCCATTTT	TCAAAGAACA	CAAAGTGACA
-408	TGAGACTGTC	CCATGTGCAG	GGAGCCCTAT	CATTTTATTA	TGARAAAACG	GCCTTTCTGC
-348	TCAAATCTGT	TTTTTAAAAA	GTCAACAAAC	AGACTCTGGG	TACCTGTCAG	GAACAGTAGG
-288	GAGTTTGGTT	TCCATTGTGC	TCTTCTTCCC	AGGAACTCAA	TGAAGGGGAA	ATAGAAATCT
-228	TAATTTTGGG	GAAATTGCAC	AGGGGAAAAA	GGGGAGGGAA	TCAGTTACAA	CACTCCATTG
-168	CGACACTTAG	TGGGGTTGAA	AGTGACAACA	GCAAGGGTTT	CTCTTTTTTG	AAATGCGAGG
-108	AGGGTATTTT	CGCTTCTCGC	AGTGGGGCAG	GGTGGCAGAC	GCCTAGCTTG	GGTGAGTGAC
-48	TATTTCTTTA	TAAACCACAA	CTCTGGGCCC	GCAATGGCAG	TCCACTGCTT	GCTGCAGTCA

Fig. 5(cont.)

13	CAGAAATGGAA	ATCTGCAGAG	GCCTCCGGAG	TCACCTAATC	ACTCTCCTCC	TCTTCCTGTT
73	CCATTTCAGAG	ACGATCTGCC	GACCCTCTGG	GAGAAAATCC	AGCAAGATGC	AAGCCTTCAG
133	GTAAGGCTAC	CCCAAGGAGG	AGAAGGTGAG	GGTGGATCAG	CTGGAGACTG	GAAACATATC
193	ACAGCTGCCA	GGGCTGCCAG	GCCAGAGGGC	CTGAGAACTG	GGTTTGGGCT	GGAGAGGATG
253	TCCATTATTC	AAGAAAGAGG	CTGTTACATG	CATGGGCTTC	AGGACTTGTG	TTTCAAAATA
313	TCCCAGATGT	GGATAGTGCG	ACCGGAGGGC	TGTCTTACTT	TCCCAGAGAC	TCAGGAACCC
373	AGTGAGTAAT	AGATGCATGC	CAAGGAGTGG	GACTGCGATT	CAGGCCTAGT	TGAATGTGCT
433	GACAGAGAAG	CAGAGAGGGG	CACCAGGGGC	ACAGCCCGAA	GGCCCAGACT	GATATGGGCA
493	AGGCCTGTCT	GTGCTGACAT	GTCGGAGGGT	CCCCTCTCC	AGGGACCTTG	GTTTCCCCGT
553	CTGTGACATC	TGTGACATGA	GAGTCACGAT	AACTCCTTGT	GTGCCTTACA	GGGTTGTTGT
613	GAAAAATTAAA	TGCACAGATA	ATAGCGTAAC	AGTATTCCGT	GCATTGTAAA	GAGCCTGAAA
673	ACCATTATGA	TTTGAAAATG	GAATCGGCTT	TGTGAGACCA	TCACTATTGT	AAAGATGTGA
733	TGCTGATAGA	AATGACAGGA	CTGCTTGTGC	ATGCCCTCTG	CAGTGTGACA	TTCCAGCAGT
793	GAAATCATGT	TGGGGTGACT	TCTCCCCAC	TCTGACCTTT	ATGTTTGTCT	GGGCCGAGGC
853	TGCAAGTCGG	GCTCTGTGGG	TGTATGAGTG	ACAAGTCTCT	CCCTTCCAGA	TATGGGGACT
913	GTCTGCTTCC	CTAGGTTGCC	TCTCCCTGCT	CTGATCAGCT	AGAAGCTCCA	GGAGATCCTC
973	CTGGAGGCCC	CAGCAGGTGA	TGTTTATCCC	TCCAGACTGA	GGCTAAATCT	AGAAACTAGG
1033	ATAATCACAA	ACAGGCCAAT	GCTGCCATAT	GCAAAGCACT	TTGGTTTGCC	TGGCCACCCC
1093	TCGTGAGCA	TGTGGGCTCT	TCAGAGCACC	TGATGAGGTG	GGTACAGTTA	GCCACACTTC
1153	ACAGGTGAAG	AGGTGAGGCA	CAGGTCCCAG	GTCAGGCTGG	CCGGAGCTCT	GTTTATTACG
1213	TCTCACAGCT	TTGAGTCCTG	CTCTCAACCA	GAGAGGCCCT	TTACCAAGAA	GAAAGGATTG
1273	GGACCCAGAA	TCAGGTCACT	GGCTGAGGTA	GAGAGGAAGC	CGGGTTGTTT	CCAAGGGTAG
1333	CTGCTCCTGC	AGGACTCTGA	GCAGGTCACC	AGCTAATGGA	GGAAAGGCTC	TAGGGAAAGA
1393	CCCTTCTGGT	CTCAGACTCA	GAGCGAGTTA	GCTGCAAGGT	GTTCCGTCTC	TTGAAACTTC
1453	TACCTAGGTG	CTATGGTAGC	CACTAGTCTC	AGGTGGCTAT	TTAAATTTAT	ACTTAAATGA
1513	ATGAAAATAG	AAGAAAATTT	AAAATCCAGA	CCCTTGGTCA	CACTATCCAC	ATTTAAAGAG
1573	GTCAATAGCC	ACATGTGGTT	AGTGGCCACC	CTATTGGGCA	GTGCAGCTAC	AGAACATTTT
1633	TGCATCCAG	AAAGTTCTTT	TGGATGTTGC	TGCTCTACAG	CATGCTTTGC	TGAAACAGAA
1693	GTGCCTTCCC	TGGGAATCTC	AGATGGGAAG	CAAGTAAGGA	GGGGAGTCAA	ATGTGGGCTC
1753	ACTGCTCACC	AGCTGTGAGG	GTTGGGCCTG	CCTCTTAACC	ATTGTCAGCC	TCAGTCTTCT
1813	CATCCATGCA	TGCCGTGGGT	ATACTAAAAT	ACTATACCCC	TGGAAGAGCT	GGATGCAAAT
1873	TTGACAAGTT	CTGGGGGACA	CAGGAAGGTG	CCAAGCACAA	GGCTGGGCAC	ATGGTGGCTG
1933	TGCACTACAG	CTGAGTCCTT	TTCCTTTTCA	GAATCTGGGA	TGTTAACCAG	AAGACCTTCT
1993	ATCTGAGGAA	CAACCAACTA	GTTGCTGGAT	ACTTGCAAGG	ACCAAATGTC	AATTTAGAAG
2053	GTGAGTGGTT	GCCAGGAAAG	CCAATGTATC	TGGGCATCAC	GTCACCTTGC	CCGTCTGTCT
2113	GCAGCAGCAT	GGCCTGCCTG	CACAAACCCT	AGGTGCAATG	TCCTAATCCT	TGTTGGGTCT
2173	TTGTATTCAA	GTTTGAAGCT	GGGAGGGCCT	GGCTACTGAA	GGGCACATAT	GAGGGTAGCC
2233	TGAAGAGGGT	GTGGAGAGGT	AGAGTCTAGG	TCAGAGGTCA	GTGCCTATAG	GCAAGTGGTC
2293	CCAGGGCCAC	AGCTGGGAAG	GGCAAATACC	AGAAGGCAAG	GTTGACCATT	CCCTTCCTCA
2353	AGTGCCTATT	AAGGCTCCAT	GTTCCATATG	TGTTCAAACC	CTAACTCAAT	CCCAAATTAA
2413	TCCACCATGT	ATAAGGTTGA	GCTATGTCTC	TTATTCTTGG	ACACCATACT	CAGCCATATC
2473	TGGTCCACAC	ATTAACAGCT	GGATGACCTT	GAAGAAGCTT	CACCCACTCT	GTTCCCTCAGC
2533	TTTCCCTTCA	GTGGGATGAT	ATCAACTGGA	CAACAGGATG	TGCGATTCTT	TTAGTTCCAG
2593	CCTTCCAGGA	TGTTTTCACT	CCCCTGTTTG	TTGTTGTAGG	ATGGTATTAC	CTCCACCTTC
2653	CCACCTTCCC	TATGCCCTGG	TTCTGTCTCC	TGTGCCTCGC	TCTGAAAGTG	GATGAGACCT
2713	ACAATTCCTG	TCCTGGTAGT	TCTCCTAATG	AACACACTGA	AGCACGAGGA	AGCTGAGATT
2773	TTTGTTGCTA	CATGAGAGCA	TGGAGGCCCT	TTAGGGAGAG	AGGAGGTTCA	GAGACTCCTA
2833	GGCTCCTGGT	GGAGCCCCAC	TCATGGCCTT	GTTTATTTTC	CCTGCCCTC	AGCAACACTC
2893	CTATTGACCT	GGAGCACAGG	TATCCTGGGG	AAAGTGAGGG	AAATATGGAC	ATCACATGGA

Fig. 5 (cont.)

2953 ACAACATCCA GGAGACTCAG GCCTCTAGGA GTAAC TGGGT AGTGTGCATC CTGGGGAAAG
 3013 TGAGGGAAAT ATGGACATCA CATGGAACAA CATCCAGGAG ACTCAGGCCCT CTAGGAGTAA
 3073 CTGGGTAGTG TGCATCCTGG GGAAAGTGAG GGAAATATGG ACATCACATG GAACAACATC
 3133 CAGGAGACTC AGGCCTCTAG GAGTAACTGG GTAGTGTGCA TCCTGGGGAA AGTGAGGGAA
 3193 ATATGGACAT CACATGGAAC AACATCCAGG AGACTCAGGC CTCTAGGAGT AACTGGGTAG
 3253 TGTGCTTGGT TTAATCTTCT ATTTACCTGC AGACCAGGAA GATGAGACCT CTCTGCCCTT
 3313 CTGACCTCGG GATTTTAGTT TTGTGGGGAC CAGGGGAGAT AGAAAAATAC CCGGGGTCTC
 3373 TTCATTATTG CTGCTTCCTC TTCTATTAAC CTGACCTCC CCTCTGTTCT TCCCCAGAAA
 3433 AGATAGATGT GGTACCCATT GAGCCTCATG CTCTGTTCTT GGGAATCCAT GGAGGGAAGA
 3493 TGTGCCTGTC CTGTGTCAAG TCTGGTGATG AGACCAGACT CCAGCTGGAG GTAAAAACAT
 3553 GCTTTGGATC TCAAATCACC CCAAACCCA GTGGCTTGAA ACAACCAAAA TTTTTTCTTA
 3613 TGATTCTGTG GGTGACCAG GATTAGCTGG GTAGTTCTGT TCCATGTGGT GGAACATGCT
 3673 GGGGTCACTT TGGAAGCTGC ATTCAGCAGA GTGCCAGGCT TGCGCTGGGC ATCCAAGGTG
 3733 GTCCCTCATC CTCCAGGCTC TCTTTCCATG TGATCTCTCA GTGTTTAAGA GTTAGTTGGA
 3793 GCTTCCTTAC AGCATGGCGG CTGACTTCCA AAAGGGATTA TTCCAAAAAG AGCCTCAACA
 3853 TGCAGGCGCT TATTATGACT TCTGCTTGCA TCATCCTATT GGCCAAAGCC AGTCACGTGG
 3913 CTAAGTCTAG CCCCCTGTGA GAGGAGACTG CATAAGAGTG TGAACACCAG GAGACACGGT
 3973 CACTGGGGGC CACCACTGTA ACCATCTACC ACAGGACCTG AATCTCTGTG TGCTACTCCC
 4033 TTGCTCAAGG GCCCCCCTAC CCACGCAGAC CTGCTGTCTT CTAGCAAAGC CCATCCTCAG
 4093 GACCTTTCTC TTCCAATCCT TATTGACTCA AATTGATTAG TTGGTGCTCC ACCCAGAGCC
 4153 CTGTGCTCCT TTATCTCATG TAATGTTAAT GGGTTTCCCA GCCCTGGGAA AACATGGCTT
 4213 TGTCTCAGGG GCTTGCTGGA TGCAACCTTA ACCTCAATGT GAGTGGCCAT ACTGTGGCAC
 4273 TGTCCCATCC CTCACCAGGG ACACTGTTCT GGAGGGTGAC TGCCTGTTCT GTGAGGAGTG
 4333 GGGATGGCTA GGACATTGCA TGGAACACAC CACCACCCCA TCTTCTCAGA GCTCAAACCC
 4393 TGACAGAACA CCAGCTCCAC AGGCCTTGGC TTCTGCTGAT GGTGCCGTGT ATTTACCAGA
 4453 CTTAGTGGTC CAAGGCCAGA GTGGCAGATT TCCCAAAGTC AAGGTGTGAC AGTGGGACAG
 4513 CCTCTTTGTG TCTTTGCTGT CCTAAGAAAC CTGGGCCAGG CCAGGCGCAG TGGCTCACGC
 4573 CTTGTAATCC CAGCACTTTG AGAGGCCAAG GTGGGCAGAT CACGAGGTCA GGAGTTGAG
 4633 ACCAGCCTGG CCAACATTGG TGAAACCCTG TCTCTATTAA AAATAGAAAA CATTAGACAG
 4693 GTGTGGTGGT GCATGCCTGT AATCCAGCT ACTCAGGAGG CTGAGGCAGG AGAATCGCTT
 4753 GAACCCAGGA GGTGGAGGTT GCAGTGAGCC GAGATTGTGC CACTGCACTC CAGCCTAGGC
 4813 GACAGAGCAA GACTCCGTCT CGGGAAAATT AATTAATAAA TAAATAAACC TAGGTCCCAG
 4873 AGTCCCACAG AATGGCAGAC AGGAGCACCT GGGGGCTTTT AGGGTATGGC ATTTCCCCTG
 4933 TACTAACTCT GGGCTGTCCA GAGGCGATT CATGGCGTGG AGTGGAGAGG GAGGCAGCAC
 4993 AGGACTTCCT AGGCCTCAGC TCTCACCTGC CCATCTTTTG ATTTCCAGGC AGTTAACATC
 5053 ACTGACCTGA GCGAGAACAG AAAGCAGGAC AAGCGCTTCG CCTTCATCCG CTCAGACAGT
 5113 GGCCCCACCA CCAGTTTGA GTCTGCCGCC TGCCCCGGTT GGTTCCTCTG CACAGCGATG
 5173 GAAGCTGACC AGCCCGTCAG CCTCACCAAT ATGCCTGACG AAGGCGTCAT GGTCAACAAA
 5233 TTCTACTTCC AGGAGGACGA GTAGTACTGC CCAGGCCTGC CTGTTCCCAT TCTTGATGG
 5293 CAAGGACTGC AGGGACTGCC AGTCCCCCTG CCCCAGGGCT CCCGGCTATG GGGGCACTGA
 5353 GGACCAGCCA TTGAGGGGTG GACCCTCAGA AGGCGTCACA ACAACCTGGT CACAGGACTC
 5413 TGCCTCCTCT TCAACTGACC AGCCTCCATG CTGCCTCCAG AATGGTCTTT CTAATGTGTG
 5473 AATCAGAGCA CAGCAGCCCC TGCACAAAGC CCTTCCATGT CGCCTCTGCA TTCAGGATCA
 5533 AACCCCGACC ACCTGCCCAA CCTGCTCTCC TCTTGCCACT GCCTCTTCCT CCCTCATTC
 5593 ACCTTCCCCT GGCCTGGATC CATCAGGCCA CTTGATGACC CCAAACCAAG TGGCTCCCAC
 5653 ACCCTGTTTT ACAAAAAAGA AAAGACCAGT CCATGAGGGA GGTTTTTAAG GGTTTGTGGA
 5713 AAATGAAAAT TAGGATTTCA TGATTTTTTT TTTTCAGTCC CCGTGAAGGA GAGCCCTTCA
 5773 TTTGGAGATT ATGTTCTTTC GGGGAGAGGC TGAGGACTTA AAATATTCCCT GCATTTGTGA
 5833 AATGATGGTG AAAGTAAGTG GTAGCTTTTC CCTTCTTTTT CTTCTTTTTT TGTGATGTCC
 5893 CAACTTGTA AAATTAAG TTATGGTACT ATGTTAGCCC CATAATTTTT TTTTTCCTTT

Fig. 5 (cont.)

5953 TAAAACACTT CCATAATCTG GAATCCTCTG TCCAGGCACT GCTGCCCAGC CTCCAAGCTC
6013 CATCTCCACT CCAGATTTT TACAGCTGCC TGCAGTACTT TACCTCCTAT CAGAAGTTTC
6073 TCAGCTCCCA AGGCTCTGAG CAAATGTGGC TCCTGGGGGT TCTTTCTTCC TCTGCTGAAG
6133 GAATAAATTG CTCCTTGACA TTGTAGAGCT TCTGGCACTT GGAGACTTGT ATGAAAGATG
6193 GCTGTGCCTC TGCCTGTCTC CCCACCAGGC TGGGAGCTCT GCAGAGCAGG AAACATGACT
6253 CGTATATGTC TCAGGTCCCT GCAGGGCCAA GCACCTAGCC TCGCTCTTGG CAGGTACTCA
6313 GCGAATGAAT GCTGTATATG TTGGGTGCAA AGTTCCCTAC TTCCTGTGAC TTCAGCTCTG
6373 TTTTACAATA AAATCTTGAA AATGCCTATA TTGTTGACTA TGTCCTTGGC CTTGACAGGC
6433 TTTGGGTATA GAGTGCTGAG GAAACTGAAA GACCAATGTG TYTTYCTTAC CCCAGAGGCT
6493 GGCGCCTGGC CTCTTCTCTG AGAGTTCTTT TCTTCCTTCA GCCTCACTCT CCCTGGATAA
6553 CATGAGAGCA AATCTCTCTG CGGGG

Fig. 5 (cont.)